

PATENT

SEQUENCE LISTING

<110> Aventis Research & Technologies GmbH & Co KG

<120> Nucleic Acid Which is Obtained from Tetrahymena and Which Codes for a delta 6-desaturase, the Production Thereof and Use

<130> Banner & Witcoff Attorney Docket Number 005430.00002; National Phase

<140> US/10/070,666

<141> 2002-03-08

<160> 19

<170> PatentIn version 3.1

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<212> DNA

<213> Tetrahymena thermophila

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<213> Tetrahymena thermophila

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Leu Asn Leu Phe Ile Asp Glu Lys Gln Asp Leu Thr Glu Tyr Phe Arg
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Thr Leu His Ser Lys Gln Ala Leu Lys Ile Leu Lys Ser Phe Pro Lys
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Thr Gly Ala Lys Gln Glu Glu Thr Glu Ser Ser Lys Arg Phe Ser Ile
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Thr Gln Lys Trp Tyr Phe Ser Ile Pro Leu Leu Val Leu Met Gln Ile
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Asn Ile Leu Lys Asp Glu Asp Ile Gln His Asp Tyr Lys Leu Trp Gln
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Phe Pro Phe Leu Phe Leu Lys Trp Lys Leu Asp Ser Ile Leu Ala Ser
210 215 220

Tyr Tyr Glu Phe Glu Gly Ile Phe Leu Ala Leu His Trp Val Leu Leu
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